	Application No.	Applicant(s)	
Notice of Allowability	}		
	09/988,540 Examiner	LANG, THOMAS Art Unit	
	Cxammer	Artonit	
	Alonzo Chambliss	2827	
The MAILING DATE of this communication ap All claims being allowable, PROSECUTION ON THE MERITS herewith (or previously mailed), a Notice of Allowance (PTOL-8 NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT of the Office or upon petition by the applicant. See 37 CFR 1.3 1. This communication is responsive to amendment A filed	IS (OR REMAINS) CLOS 35) or other appropriate of RIGHTS. This applicatio 113 and MPEP 1308.	ED in this application. If not include ommunication will be mailed in due on is subject to withdrawal from issue	d course. THIS
2. The allowed claim(s) is/are 7-14.			
 3. The drawings filed on 10 September 2002 are accepted 4. Acknowledgment is made of a claim for foreign priority to 		(d) or (f).	
a) ⊠ All b) ☐ Some* c) ☐ None of the:			
1. Certified copies of the priority documents ha			
2. Certified copies of the priority documents ha	• •		
 Copies of the certified copies of the priority of International Bureau (PCT Rule 17.2(a)). 		eived in this national stage applicat	ion from the
* Certified copies not received:			
5. Acknowledgment is made of a claim for domestic priority			
(a) The translation of the foreign language provisiona	• •		
6. Acknowledgment is made of a claim for domestic priority	under 35 U.S.C. 99 120	and/or 121.	
Applicant has THREE MONTHS FROM THE "MAILING DATE" below. Failure to timely comply will result in ABANDONMENT	of this communication to of this application. THIS	file a reply complying with the requi	rements noted EXTENDABLE
7. A SUBSTITUTE OATH OR DECLARATION must be sui INFORMAL PATENT APPLICATION (PTO-152) which gives re	bmitted. Note the attache ason(s) why the oath or o	d EXAMINER'S AMENDMENT or N declaration is deficient.	OTICE OF
 CORRECTED DRAWINGS must be submitted. (a) ☐ including changes required by the Notice of Draftsp 1) ☐ hereto or 2) ☐ to Paper No 	erson's Patent Drawing F	Review (PTO-948) attached	
(b) including changes required by the proposed drawin	g correction filed,	which has been approved by the E	xaminer.
(c) including changes required by the attached Examin	er's Amendment / Comm	ent or in the Office action of Paper N	١٥
Identifying indicia such as the application number (see 37 CFF each sheet.	₹ 1.84(c)) should be written	on the drawings in the front (not the	back) of
 DEPOSIT OF and/or INFORMATION about the department of the department o	DOSIT OF BIOLOGICAL N	MATERIAL must be submitted. N OGICAL MATERIAL.	ote the
Attachment(s)			
 1⊠ Notice of References Cited (PTO-892) 3☐ Notice of Draftperson's Patent Drawing Review (PTO-948) 5☐ Information Disclosure Statements (PTO-1449), Paper No. 7☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material 	4⊠ Inte 6□ Exa	rice of Informal Patent Application (Ferview Summary (PTO-413), Paper laminer's Amendment/Comment aminer's Statement of Reasons for Aper	No. <u>10</u> .

Art Unit: 2827

DETAILED ACTION

1. Amendment A filed on 5/19/03 in Paper No. 8 and amendment B filed on 9/29/03 in Paper No. 9 have been fully considered.

Drawings

2. The formal drawings filed on 5/19/03 in Paper No. 9 have been approved by the examiner.

Allowable Subject Matter

3. The following is a statement of reasons for the indication of allowance subject matter: the prior art of record does not teach or suggest the combination of a number of chips located between a base plate and a cover plate, wherein the faces of the base plate and of the cover plate that face away from the chips are each electrically isolated from the chip. The base plate includes a insulating substrate and a first metal coating on the electrically insulating substrate, wherein the first metal coating forms the inner face of the base plate facing towards the chips. A first contact spring arranged between the upper face of each chip and the cover plate and a second spring located between the cover plate and the base plate. The pressure on the cover plate establishes an electrical contact between the second spring and the first metal coating in claim 7.

A substrate with a plurality of bond fingers offset from the center of the substrate and surrounding a die area. A first lower die having a first, inner, and second row of bonding pads, wherein the first row of pads are electrically coupled to bond fingers by

Art Unit: 2827

lower bond wires. A second lower die is coupled to a first subset of bond fingers of the plurality of bond fingers while the first lower die is coupled to bond fingers with lower bond wires. A first stacked die coupled to the first lower die, wherein the first stacked die has a first subset of pads coupled to inner pads by wires and a second subset of pads coupled to a subset of the plurality of bond fingers. A second stacked die coupled to the second lower die, wherein the second stacked die is coupled to the first lower die with bridge bond wires that span the lower bond wires and coupled the plurality of second stacked die bond pads to the plurality of second row of pads in claim 7.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning the communication or earlier communications from the examiner should be directed to Alonzo Chambliss whose telephone number is (703) 306-9143. The fax phone number for the Group is (703) 308-772 or 7724.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the group receptionist whose telephone number is (703) 308-7956.

AC/August 21, 2003

Alonzo Chambliss Patent Examiner Art Unit 2827